Notes for obtaining approval of marine standards

Thank you for purchasing graphic operator interfaces, Pro-face® GP4100 Series/GP4000M Series made by Digital Electronics Corporation.

The following describes restrictions for obtaining type approval of marine standards.
When using these products for your system for which you plan to obtain type approval of marine standards from classification societies, please fully understand the proper handling and the features of the products following the restrictions.

For a certification and a certification number of each classification society, see our homepage.
Our homepage   http://www.pro-face.com/worldwide.html

Obtained type approvals
For GP4100 series/GP4000M series, the obtained type approvals of marine standards are as follows; (as of August 2012)

American Bureau of Shipping (ABS) --- except GP4000M series
Det Norske Veritas   (DNV)
Lloyd's Register   (LR)   --- except GP4000M series

Applicable Products
The type approvals have been obtained for the following models in GP4100 series /GP4000M series.

GP4100 Series	GP4105G1D, GP4105W1D GP4106G1D, GP4106W1D GP4107G1D, GP4107W1D *Except GP4104G1D, GP4104W1D
GP4000M Series	PFXGM4201TAD PFXGM4301TAD

Restrictions

The following describes restrictions for obtaining type approval concerning GP4100 series / GP4000M series.

(1) For GP4100 series

For installation, wiring and use of the product, be sure to read GP4100 series Installation Guide and GP4100 series Hardware Manual.

Install the noise filter (Schaffner Type FN2070-3-06 or equivalent) on the power-supply line of the product.

Shields of Serial cable and USB cable must be grounded.

When installing the product in a bridge zone, it must be installed at least 5 meters away from the compass as required in 4.5.3 of IEC60945.

When installing the product in a bridge zone, HMI application must be designed not to degrade the night vision of the officer of the watch (Configuration software offers the possibility to tune brightness and application panel colors to comply with requirements based on IEC60945)

(2) For GP4000M series

For installation, wiring, and use of the product, be sure to read GP4000M series Installation Guide and GP4000M series Hardware Manual.

Install the noise filter (Schaffner Type FN2010 or equivalent) on the power-supply line of the product.

When installing the product in a bridge zone, it must be installed at least 5 meters away from the compass as required in 4.5.3 of IEC60945.

When installing the product in a bridge zone, HMI application must be designed not to degrade the night vision of the officer of the watch (Configuration software offers the possibility to tune brightness and application panel colors to comply with requirements based on IEC60945).